

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P365345

Luminaire Tested: **FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8027-F6LBXVM1-MW-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1160.0 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

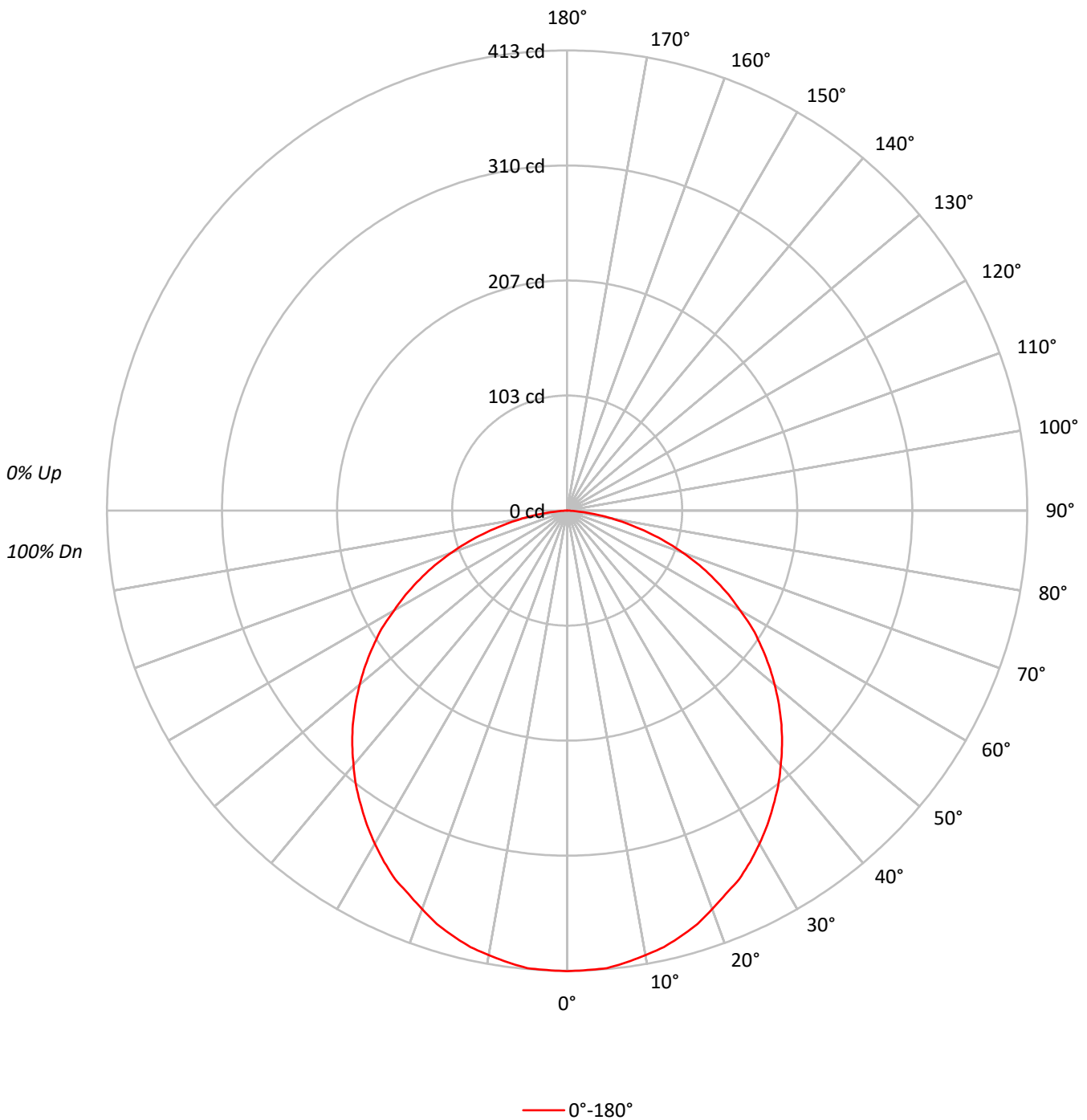
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47		58	51	46		56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36		48	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11292
5°	11302
10°	11236
15°	11181
20°	11063
25°	11007
30°	10891
35°	10764
40°	10637
45°	10507
50°	10326
55°	10134
60°	9801
65°	9436
70°	8833
75°	7873
80°	6371
85°	3824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	3.4
10°-20°	111.5	9.6
20°-30°	168.0	14.5
30°-40°	202.1	17.4
40°-50°	209.7	18.1
50°-60°	190.0	16.4
60°-70°	144.2	12.4
70°-80°	78.9	6.8
80°-90°	16.5	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	318.6	27.5
0°-40°	520.7	44.9
0°-60°	920.4	79.3
0°-90°	1160.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1160.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	413	
5°	412	39
15°	395	112
25°	365	168
35°	323	202
45°	272	210
55°	213	190
65°	146	144
75°	75	79
85°	12	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	413.4
2.5°	412.8
5°	412.2
7.5°	408.9
10°	405.1
12.5°	401.2
15°	395.4
17.5°	389.0
20°	380.6
22.5°	372.3
25°	365.2
27.5°	355.6
30°	345.3
32.5°	334.4
35°	322.8
37.5°	311.2
40°	298.3
42.5°	285.5
45°	272.0
47.5°	257.8
50°	243.0
52.5°	228.3
55°	212.8
57.5°	197.4
60°	179.4
62.5°	163.3
65°	146.0
67.5°	128.6
70°	110.6
72.5°	92.6
75°	74.6
77.5°	56.6
80°	40.5
82.5°	25.1
85°	12.2
87.5°	3.2
90°	0.0

(END OF REPORT)